

Title (en)

Process for the preparation of isocyanurate group containing polyols

Title (de)

Verfahren zur Herstellung Isocyanuratgruppen enthaltender Polyole

Title (fr)

Procédé pour la préparation de polyols contenant des groupes isocyanurates

Publication

**EP 0753535 B1 19980422 (DE)**

Application

**EP 96110653 A 19960702**

Priority

DE 19525301 A 19950712

Abstract (en)

[origin: EP0753535A1] The prodn. of isocyanurate gp.-contg. polyols (I) comprises reacting polyisocyanurates (II) with short-chain, OH gp.-contg. cpds. (III) in presence of carrier polyols (IV) with an OH number of not more than 500 mg KOH/g and a mol. wt. of at least 450. Also claimed are polyols (I) obt'd. by this process. Pref. polyols (IV) are based on glycerol and/or trimethylolpropane. The ratio of (III):(IV) = (5-20):1, and the ratio of (III + IV):(II) = (1-5):1. The process comprises heating the mixt. of (III) and (IV) to 190-240 degrees C, adding (II), reducing the temp. by 10-40 degrees C and stirring for 1.5-3 hrs. at this temp. After reaction is complete, the mixt. is either (a) cooled to 50-150 degrees C, treated with not more than 5 wt % alkali or alkaline earth metal hydroxide and stirred for 0.5-1.5 hrs. at this temp. or (b) cooled to 100-160 degrees C, treated with not more than 10 wt% monofunctional glycidyl ether and stirred for 0.5-1.5 hrs. at this temp.

IPC 1-7

**C08J 11/24**; **C08L 75/00**

IPC 8 full level

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CPC (source: EP KR)

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